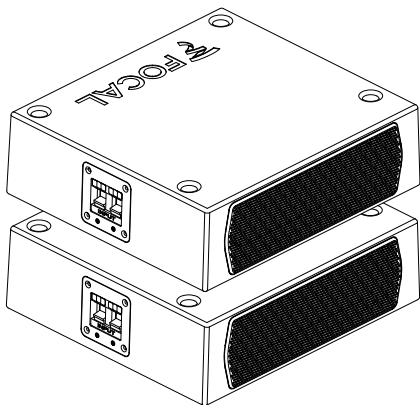


ISUB TWIN

Manuel d'utilisation / User Manual / Gebrauchsanleitung /
Manuale d'uso / Manual de uso / Manual de utilização /
Handleiding / Instrukcja obsługi / Руководство по
эксплуатации / 使用手册 / 사용 설명서 /
取扱説明書 / دليل المستخدم

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 **FOCAL®**



READ FIRST! IMPORTANT SAFETY INSTRUCTIONS!

	The exclamation mark represented in an equilateral triangle is intended to alert users to the existence of important instructions in the user manual relating to the use and maintenance of the device.	
1. Read these instructions. 2. Keep these instructions. 3. Heed all the warnings. 4. Follow all the instructions. 5. To avoid damaging your hearing, do not listen to loudspeakers at high volumes for long periods of time. Listening to loudspeakers at high volumes can cause damage to the user's ears and may lead to hearing problems (temporary or permanent deafness, buzzing in the ears, tinnitus, hyperacusis). Exposure to excessive volumes (over 85 dB) for more than one hour can cause irreparable damage to your hearing.	6. If a subwoofer is installed in your vehicle, it is important to secure it firmly. We recommend that you attach the enclosure to the floor or chassis of the vehicle for safety. If the subwoofer is not properly secured, it could become a projectile in the event of an accident. This point is even more important if the subwoofer is installed in a hatchback, a station wagon, a utility vehicle or a van.  (CEI 60417-6044)	7. If cables or harnesses are provided, use them the proper way (like mentioned in this user manual) without replacing or modifying them. 8. If a fuse is included in the kit or harness, use only same rating one in case of replacement.

ISUB TWIN

Spécifications / Specifications

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ISUB TWIN	
Type	Subwoofers passifs ultra-compacts
Puissance max.	2 x 200 W
Puissance nom.	2 x 100 W RMS
Sensibilité (2,83 V/1 m)	83 dB
Impédance	2 Ω
Dimensions (LxHxP)	260 x 240 x 80 mm
Membrane	Aluminium
Réponse en fréquence	50 - 150 Hz
Poids	2.7 kg x 2
Diamètre bobine	20 mm
Suspension	Butyle

ISUB TWIN	
Type	Underseat passive subwoofers
Max. Power	2 x 200W
Nom. Power	2 x 100W RMS
Sensitivity (2,83 V/1 m)	83dB
Impedance	2 Ω
Dimensions (WxHxD)	10 ^{1/4} x9 ^{1/2} x3 ^{1/8} " (260x240x80mm)
Cone	Aluminium
Frequency response	50 - 150Hz
Weight	2.7kg x 2
Voice coil diameter	3/4" (20mm)
Surround	Butyl

**Please validate your Focal-JMLab warranty,
it is now possible to register
your product online:
www.focal.com/warranty**



Thank you for choosing Focal kit ISUB TWIN and for sharing our passion for sound and for music. Designed using acoustic technologies, these speakers integrate Focal's perfectionist believes, developing products with high power handling, and unrivalled sound quality. To obtain the best results from this product, we recommend that you follow carefully all the information contained in this user's manual. If not correctly followed, any fault observed may not be covered by the warranty.

Conditions of warranty

All Focal loudspeakers are covered by warranty drawn up by the official Focal distributor in your country. Your distributor can provide all details concerning the conditions of warranty. Warranty cover extends at least to that granted by the legal warranty in force in the country where the original purchase invoice was issued.

Running period

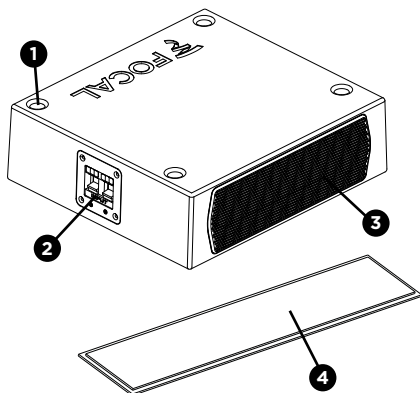
ISUB TWIN drive units use the very latest components. To ensure such complex mechanical elements work in harmony with each other, they must be allowed to function correctly in this environment. Changes in temperature and humidity are regarded as very hostile. In order to get the best of your ISUB TWIN speakers, a running-in period must be respected to ensure they are ready for this. We recommend that, once the system is ready for listening, the drive units should be run-in with medium volume setting, with music that has the full bandwidth of frequencies (sub-bass through treble). This running-in period should last for a few weeks, to gain the full potential. After which the excellent performance of your ISUB TWIN kit can be fully appreciated.

ISUB TWIN

User manual

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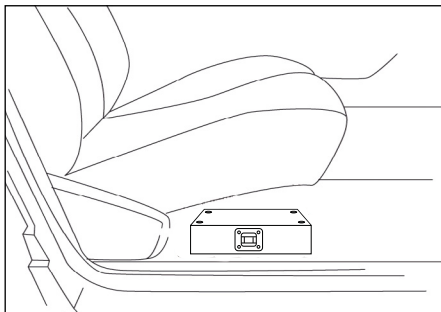
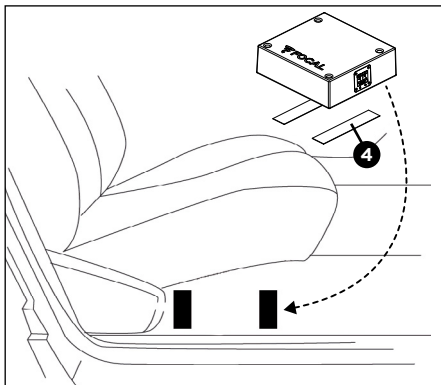
1. Holes for attaching to the vehicle floor: Please use suitable screws to avoid damaging the floor of your vehicle or any of its other components.

2. Terminal: Connect your ISUB TWIN subwoofers to the amplifier using the terminal found on the rear of the enclosure. Please respect the same polarity on both subwoofers to avoid any dephasing, which could severely compromise the acoustic performance of your installation.

3. Speaker driver: Ensure that the woofer is pointing towards an open space in order to achieve the best acoustic performance. For example, point it towards the front of the vehicle if the subwoofers are installed under the front seats. Ensure that there are no objects positioned across the grille, as this could damage the speaker drivers of your ISUB TWIN subwoofers.

4. Velcro strips: Use the Velcro strips provided with the ISUB TWIN subwoofers to mount them in your cabin. This will prevent any unwanted movement of your subwoofers.

INSTALLATION

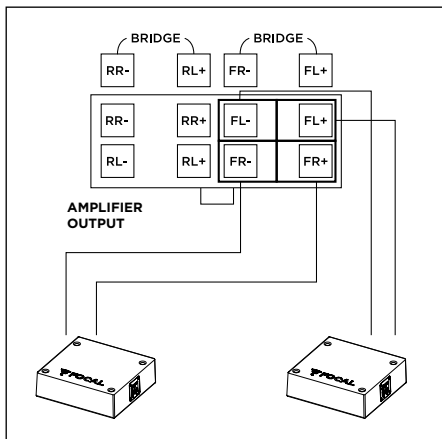


ISUB TWIN

User manual

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CONNECTING THE ISUB TWIN SUBWOOFERS TO AN AMPLIFIER



WARNING: Use an independent unbridged channel from your amplifier to supply each subwoofer. It is not advisable to use a parallel connection from both subwoofers or to connect them to a bridged output, as this could damage the amplifier.



Élimination correcte de ce produit.

Ce marquage indique que ce produit ne doit pas être éliminé avec les autres déchets ménagers au sein de l'UE. Par mesure de prévention pour l'environnement et pour la santé humaine, veuillez le recycler de manière responsable, pour favoriser la réutilisation des ressources matérielles. Pour retourner votre appareil utilisé, veuillez utiliser les systèmes de retour et de collecte ou contactez le détaillant chez lequel le produit a été acheté. Celui-ci pourra procéder au recyclage du produit en toute sécurité.



Correct elimination of this product.

This marking indicates that within the EU this product should not be disposed of with other household wastes. To prevent any risk to the environment or human health, please recycle them responsibly to encourage the reuse of material resources. To return your used device, please use the return and collection systems available, or contact the retailer where you purchased the product. They can recycle this product safely.



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Pour validation de la garantie
Focal-JMlab, il est maintenant possible
d'enregistrer son produit en ligne :
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以在线注册产品：
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可能になりました：
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الرجاء تفعيل ضمان Focal-JMlab الخاص بك،
يمكنك الآن تسجيل منتجك عبر الإنترنت على موقع:
www.focal.com/warranty

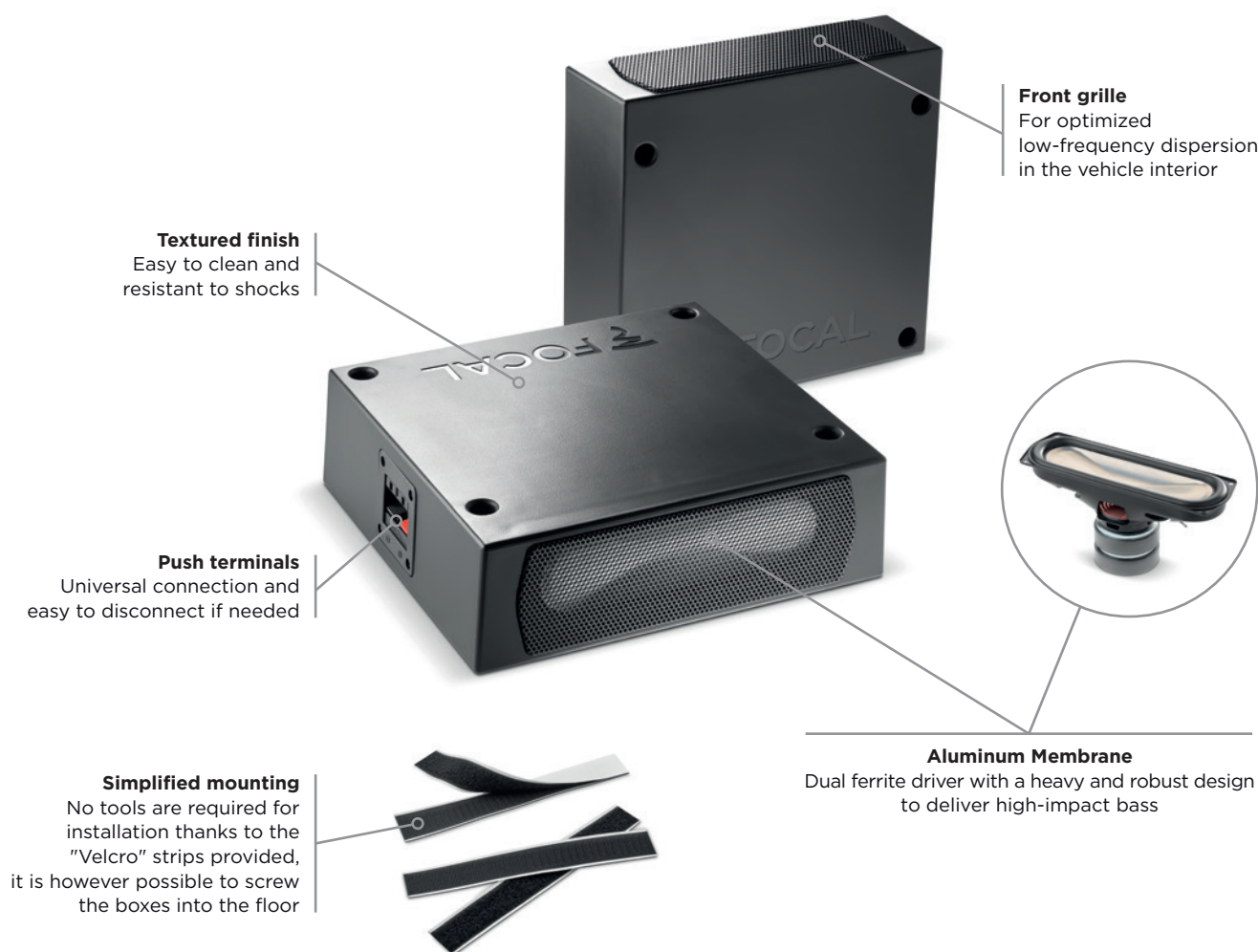


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SCCG - 12/11/2020 - V1 - COD01650

ISUB TWIN

Specification sheet

The pair of ultra-compact ISUB TWIN passive subwoofers is an innovative solution that considerably increases the bass impact of an in-car audio system, all this without any loss of space in the interior or trunk. These boxes simply slide under the seats of almost any vehicle and can be fixed directly with the velcros provided or screwed into the floor. We recommend to power these boxes with the Impulse 4.320 amplifier, whose two front channels will remain available to connect a pair of speakers in the front doors for example.



Key points

- Quick and easy installation without any modifications needed on the vehicle
- Invisible integration in the car's interior
- High fidelity and high power capability
- Double ferrite loudspeaker specially developed for the ISUB TWIN
- Designed to perfectly match the Impulse 4.320 amplifier and Plug&Play Focal Inside® products

Check the available space before installing in the desired locations.

Type	Underseat passive subwoofers
Max. Power	2 x 200W
Nom. Power	2 x 100W RMS
Sensitivity (2.83V/1m)	83dB
Impedance	2Ω
Dimensions (WxDxH)	10 ^{1/4} x 9 ^{1/2} x 3 ^{1/8} " (260x240x80mm)
Cone	Aluminium
Frequency response	50 - 150Hz
Weight	5.95lbs (2.7kg) x 2
Voice coil diameter	3/4" (20mm)
Surround	Butyl

ISUB TWIN

Technical Sheet

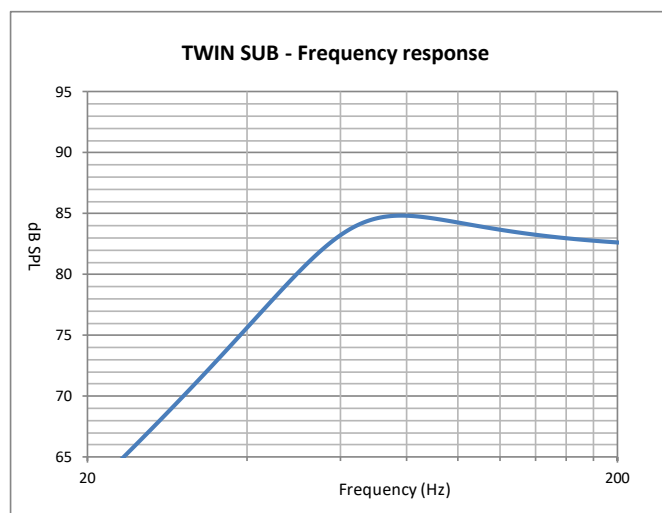
Underseat passive subwoofer



SPECIFICATIONS

Nominal power	100W
Maximum power	200W
Sensitivity	83dB
Nom. impedance	2 Ω
Cone	Aluminium
Surround	Butyl
DC resistance	1.9 Ω
VC diameter	20mm0.8"
Former	Polymide
Layers	4
Wire	Copper
Net weight	2.7kg6 lbs

FREQUENCY RESPONSE/IMPEDANCE



MECHANICAL DRAWING

Dimensions in mm

